

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

**(19) World Intellectual Property Organization
International Bureau**



**(43) International Publication Date
15 September 2005 (15.09.2005)**

PCT

(10) International Publication Number
WO 2005/084456 A2

(51) International Patent Classification⁷:

A23L

nts: STALLARD, David, S. et al.: Wood, Herron &

(21) International Application Number:

PCT/US2005/006478

(22) International Filing Date: 28 February 2005 (28.02.2005)

English

(26) Publication Language

English

(30) Priority Date:

Priority Data: 60/548,538 27 February 2004 (27.02.2004) US

(71) **Applicant (for all designated States except US): GOLD MEDAL PRODUCTS COMPANY [US/US]; 10700 Medallion Drive, Cincinnati, OH 45241-4807 (US).**

(72) Inventor: and

(75) Inventor/Applicant (for US only): RHOME, Timothy, Allan [US/US]; 44 Britanny Lane, Fairfield, OH 45014 (US)

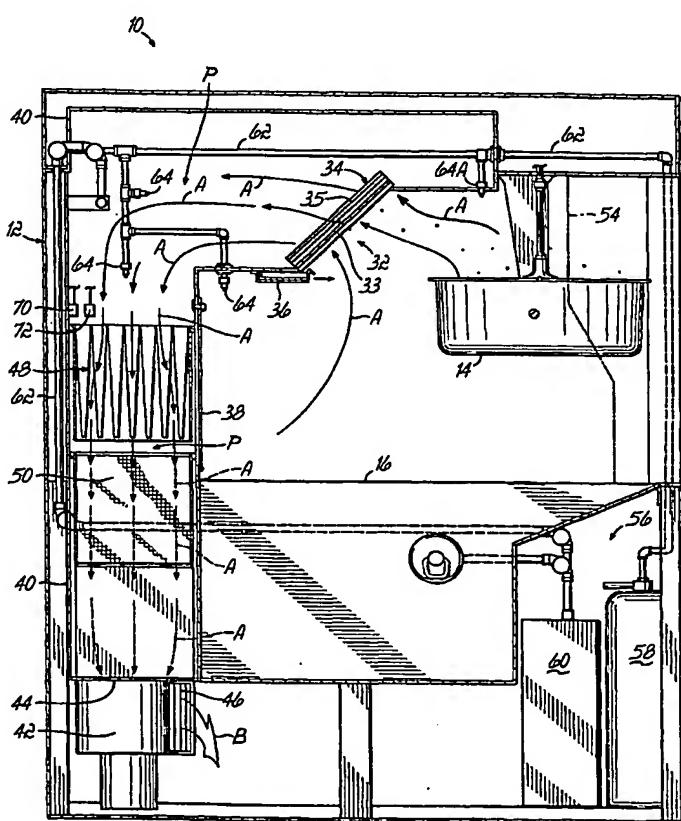
(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,

(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,

[Continued on next page]

(54) Title: SELF CONTAINED POPCORN POPPER



(57) Abstract: An improved popcorn popper (10) has effluent filtration structure to treat the oil laden vapor and steam effluent from popping popcorn within the popper and with discharge of effluent having less than 5 milligrams of particulates per cubic meter of effluent discharged directly into the area in which the popper (10) is located. There is no need for external hoods or for external ducting of effluent to outside the area and facility in which the popcorn is popped. The filtering is carried out within the popper (10). A fire suppression system is provided to handle fires even within the kettle (14). Methods are disclosed.



FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

- *without international search report and to be republished upon receipt of that report*